

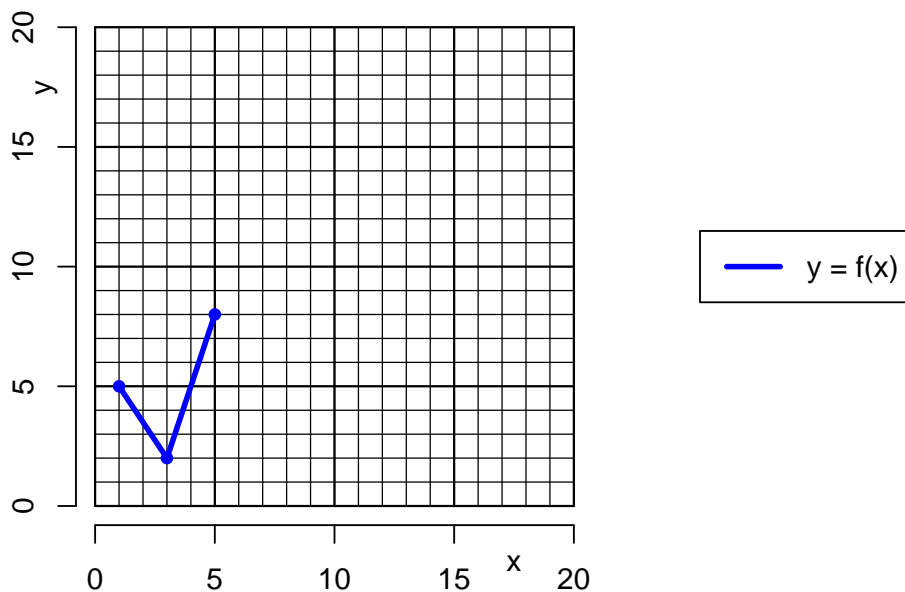
Name: \_\_\_\_\_

Date: \_\_\_\_\_

## PCW\_09\_18 Find new points after transformation (version 23)

### Question 1

Curve  $y = f(x)$  contains points  $(1, 5)$  and  $(3, 2)$  and  $(5, 8)$ , as shown on the  $x$ - $y$  plane below.

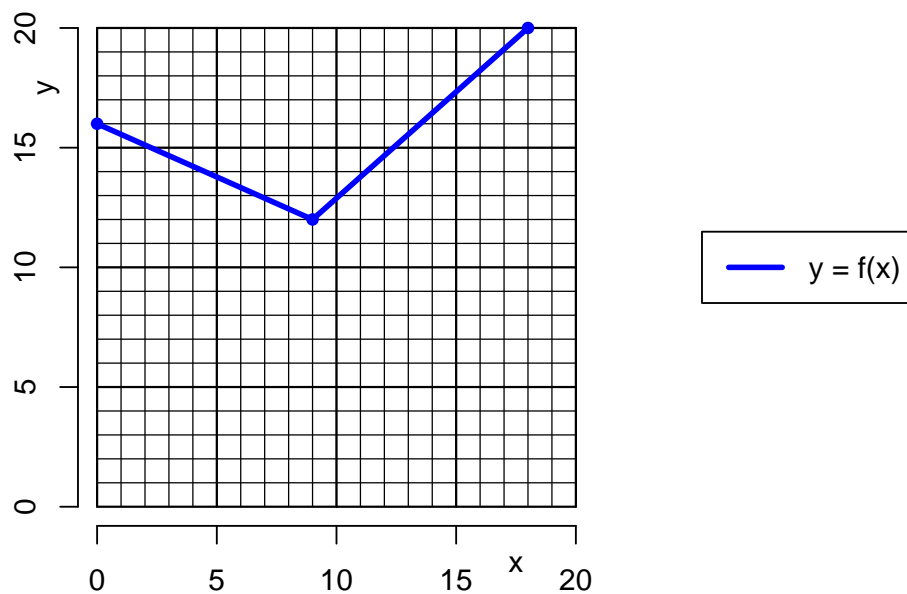


On the same plane, please draw the curve represented by the equation below:

$$y = 2f\left[\frac{x+3}{3}\right] - 4$$

## Question 2

Curve  $y = f(x)$  contains points  $(0, 16)$  and  $(9, 12)$  and  $(18, 20)$ , as shown on the  $x$ - $y$  plane below.



On the same plane, please draw the curve represented by the equation below:

$$y = \frac{f[3(x-5)]}{2} - 6$$